

**IN THE ABSTRACT:**

Replace the abstract originally provided on the cover sheet of the PCT application with the new abstract as follows. A new abstract numbered page 27 is enclosed for the last page of the application following the claims.

**ABSTRACT OF THE DISCLOSURE**

A device for varying the direction of an optical beam. A first waveguide is directed along a first direction, a second waveguide is directed along a second direction different from the first direction, and a bending region is interposed between the first and the second waveguide. The bending region has a photonic crystal having a regular periodicity and at least a first and a second crystal axes substantially aligned with the first and second directions, and a reflecting surface delimiting the photonic crystal and so positioned and oriented as to reflect an optical beam coming from the first waveguide toward the second waveguide.

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